
**INFORMATION DISCLOSURE
STATEMENT BY APPLICANT**

(use as many sheets as necessary)

Sheet	1	of	34	Attorney Docket Number	
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Complete if Known

Application Number	09/110,717
Filing Date	07/07/1998
First Named Inventor	Mills
Group Art Unit	1745
Examiner Name	Kalafut

U.S. PATENT DOCUMENTS					
Examiner Initials*	Cite No. ¹	U.S. Patent Document		Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Number	Kind Code ² (if known)		
SK		3,253,884		Jung, et al.	05-31-1966
		3,462,622		Cann et al.	08-1969
		4,000,036		Ensley	12-1976
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		4,337,126		Gilligan, III et al.	06-29-1982
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JK		4,702,894		Cornish	10-27-1987
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SK		4,808,286		Angelo, II	02-28-1989
		4,957,727		Bogdanovic	09-18-1990
JK		5,273,635		Gernert	12-28-1993
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JK		5,577,090		Moses	11-1996

Examiner Signature		Date Considered	12/11/07
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*EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

¹ Unique citation designation number. ² See attached Kinds of U.S. Patent Documents. ³ Enter Office that issued the document, by the two-letter code (WIPO Standard ST. 3). ⁴ For Japanese patent documents, the indication of the year of the reign of the Emperor must precede the serial number of the patent document. ⁵ Kind of document by the appropriate symbols as indicated on the document under WIPO Standard ST. 16 if possible. ⁶ Applicant is to place a check mark here if English language Translation is attached.

<p>Substitute for form 1449A/PTO</p> <p>INFORMATION DISCLOSURE STATEMENT BY APPLICANT</p> <p><i>(use as many sheets as necessary)</i></p>		Complete if Known	
		Application Number	09/110,717
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		Examiner Name	Kalafut
Sheet	2	of	3
		Attorney Docket Number	100-113

U.S. PATENT DOCUMENTS

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		Examiner Name	Kalafut
Sheet	3	of	<i>JG</i>
		Attorney Docket Number	

U.S. PATENT DOCUMENTS

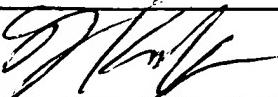
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***EXAMINER:** Initial if reference considered, whether or not citation is in conformance with MPEP 809. Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to applicant.

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Sheet	4	of	24	Attorney Docket Number	100-100-100

FOREIGN PATENT DOCUMENTS						
Examiner Initials*	Cite N. o.	Foreign Patent Document			Name of Patentee or Applicant of Cited Document	Date of Publication of Cited Document MM-DD-YYYY
		Office ³	Number ⁴	Kind Code ⁵ (if known)		
S/K		WO	99/05735	A1	Mills	03-04-1999
		WO	99/26078	A1	Mills	5-27-1999
		WO	99/34322	A1	Mills	7-8-1999
		WO	99/35698	A3	Mills	07-15-1999
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		WO	01/21300	A2	Mills	03-29-2001
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Sheet	5	of	34	Attorney Docket Number	

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		Office ³	Number ⁴	Kind Code ⁵ (if known)				
JK		WO	02/087291	A2	Mills	10-31-2002		
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		WO	2007/051078	A1	Mills	05-03-2007		
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JK		JP	2002008892A		Shimazu	01-2002		

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Substitute for form 1449B/PTO

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(use as many sheets as necessary)

Sheet

6

of

24

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Sheet	6	of	24	Attorney Docket Number
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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

Examiner Initials*	Cite No. ¹	Include name of the author (in CAPITAL LETTERS), title of the article (when appropriate), title of the item (book, magazine, journal, serial, symposium, catalog, etc.), date, page(s), volume-issue number(s), publisher, city and/or country where published.	T ²
SK		S. Aaronson, "Hydrino Theory: Which Overturns Quantum Theory, Is in Turn Overturned by Doofusino Theory," <http://www.scottaaronson.com/writings/doofusino.html> (No Date)	
SK		"Atomic Physics Progress Report 1995-1996" (internet page) atompc2.fysik.lth.se/AFDOCS/Progres956/contents.asp (author and date unknown)	
SK		"Atomic Spectroscopy" (internet page) physics.nist.gov/Pubs/AtSpec/node20.html (author and date unknown)	
SK		Baard, Erik. "The Empire Strikes Back." <i>The Village Voice</i> , April 26-May 2, 2000	
SK		Baard, Erik. "Quantum Leap." <i>The Village Voice</i> , Dec 22-28, 1999.	
		Baard, Erik. "Researcher Claims Power Tech That Defies Quantum Theory." Dow Jones Newswires, Oct 6, 1999.	
		CITED IN FNP #17	
SK		Baard, Erik, "Hydrino Theorist Gets Nod From NASA-Funded Investigation Eureka?", <i>The Village Voice</i> , Dec. 6, 2002	
SK		Barmann et. al. "Spatially and Temporally Resolved Studies of the Electron Density in Liquid Streamers by Emission Spectroscopy" (internet page) atompc2.fysic.lth.se/AFDOCS/Progres956/5al.htm (Atomic Physics Progress Report) (1995-1996) (MARCH 1997)	
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		Beiser, A. <i>Concepts of Modern Physics</i> , Fourth Edition, McGraw Hill Book Company, New York, 1978, p. 407.	
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Sheet	7	of	94	Attorney Docket Number	

OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS					
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SK		"The Biggest Venture Capital Conference of the Year is Quickly Approaching," Special to Evening Bulletin 09/29/2006, < http://www.theeveningbulletin.com/site/news.cfm?newsid=17263371&BRD=2737&PAG=461 >			
SK		"Blacklight Power - do they have something significant?" (internet page) www.phact.org/e/blp.htm (author and date unknown)			
		Blacklight Power, Inc., "Second Shareholder Newsletter '97" http://web.archive.org/web/19980212141859/blacklightpower.com/sharenews2.html			
SK		Blochinzew, <i>Grundlagen Der Quantenmechanik</i> , Veb Deutscher Verlag Der Wissenschaften, 1967			
		Benifase, et. al. "Calorimetry for a Ni/K ₂ CO ₃ Cell," AECL Research, June 1994			
		Bradford. "A Calorimetric Investigation of the Reaction of Hydrogen with Sample PSU #1." A Confidential Report submitted to Hydrocatalysis Power Corporation, September 1994			
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		Carolina, et. al. "Effect of Dielectric Constant, Cavities in Series and Cavities in Parallel on the Product-Distribution of the Oligomerization of Methane via Microwave Plasmas." <i>J. Phys. Chem.</i> , Vol 100, 1996, pp. 17866-17872			
		ALREADY OF RECORD AS DERY ET AL. SEE PAPER #33			
		Chemistry Course Listings in MIT OpenCourseWare. MIT 2005. http://ocw.mit.edu/Ocw/Web/Chemistry/index.htm			
		The Chemistry of Halogens, http://chemed.chem.psu.edu/genchem/topicreview/bp/ch10/group7.html			
Examiner Signature	<i>CJ Kalafut</i>		Date Considered	12/11/07	

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SK		CiteSeer, "Citations: Observation of Extreme Ultraviolet Hydrogen Emission from Incandescently Heated Hydrogen Gas with Strontium that Produced an Anomalous Optically Measured Power Balance," Int. J. Hydrogen Energy 26 (4) 2001, pg. 309-326	(NO DATE)	07/11/07	07/11/07
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SK		Conversion Table cgs/Si-Units. www.plasmaphysics.org.uk/convers.htm	(NO DATE)		
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SK		EarthTech Reports, http://www.earthtech.org/experiments/blp/prelim.html	(DEC/1997)		
SK		EarthTech Reports, http://www.earthtech.org/experiments/mills/mills1.html "Attempt to Observe Excess Heat in a Ni-H ₂ O-K ² CO ₃ Electrolysis System-9OCT97"	(OCT/1997)		
SK		Evans Analytical Group, http://www.cca.com/tech.htm#esca1			
Examiner Signature	<i>SK Mills</i>		Date Considered	12/11/07	

Substitute for form 1449B/PTO

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(use as many sheets as necessary)

Sheet

9

of

24

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OTHER PRIOR ART – NON PATENT LITERATURE DOCUMENTS

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SK		Evans, et. al. "XPS/ESCA Results." CE & A Number 44545, Nov 1994.	T ²
JK		EVANS Analytical Group. Product Descriptions: Time-of-Flight Secondary Mass Spectrometry (TOF-SIMS) and X-Ray Photoelectron Spectroscopy (XPS) Electron Spectroscopy for Chemical Analysis (ESCA). (no date or author listed)	(NO MONTH)
		E-mail to Examiner Wayner from Jeffrey A. Simenauer, dated _____	(NO DATE)
SK		Fan et al., "X-ray photoelectron spectroscopy studies of CVD diamond films", <i>Surface and Interface Analysis</i> , 34:703-707, 2002	(NO MONTH)
OK		Fischer. "Die optische Absorption der U ₂ -Zentren in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , Vol 131, 1952, pp. 488-504.	(NO MONTH)
OK		M. Fowler, "The Lorentz Transformation," UVa Physics 252, < http://galileo.phys.virginia.edu/classes/252/lorentztrans.html >	(NO DATE)
OK		Fuchs and Peres. "Quantum Theory Needs No 'Interpretation'." <i>Physics Today</i> , March 2000, p. 70.	(NO DATE)
		Gernert, et. al. "Anomalous Heat From Atomic Hydrogen in Contact with Potassium Carbonate." Thermacore, Inc.	(NO DATE)
JK		Gottfried, "Quantum electrodynamics: Matter all in the mind", (internet page) www.nature.com/cgi-taf/DynaPage.t...e/journal/v419/n6903/full/419117a_r.html , 2002	(NO MONTH)
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		Hansen, et. al. "Faradaic efficiencies less than 100% during electrolysis of water can account for excess heat in 'cold fusion' cells," J. of Physical Chem., Vol. 99, No. 18 (1997) pp. 6973-6979 (Paper I). <i>(No DATE)</i>			
		The Harvard Crimson News: Academics Question the Science Behind Blacklight Power, Inc." < http://www.the.crimson.com/printfriendly.aspx?ref=100939 >			
		Haus. "On the radiation from point charges." American Journal of Physics, Vol 54, No 12, December 1986. Pp. 1126-1129.			
		He-II in Solar Spectrum			
<i>SK</i>		Hines, "Scientific Mistakes: N-rays and Polywater", <i>Pseudoscience and the Paranormal</i> , Prometheus Books, 1988, pp. 8-13 <i>(No DATE)</i>			
		http://omm.hut.fi/optics/_c/2004/luennot/spectroscopy.pdf			
		http://hyperphysics.phy-astr.gsu.edu/hbase/kinetic/molke.htm			
<i>SK</i>		"Hydrino Theory," < http://en.wikipedia.org/wiki/hydrino_theory > <i>(No DATE)</i>			
<i>SK</i>		"The Hydrogen Atom," < http://www.physics.nmt.edu/~raymond/classes/ph13xbook/node208.html > <i>(No DATE)</i>			
<i>SK</i>		Hydrogen News 1999 < http://www.ch2bc.org/bulletin/bulletin19991112.htm > <i>(Nov 1999)</i>			
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11

of

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		INRS-Energie et Matériaux XPS facility, http://goliath.inrc-ener.uquebec.ca/tour/	CITED IN PAPER # 20050216
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<i>OK</i>		Johansson, et. al. "A Model for the origin of the anomalous and very bright UV-lines of Fe II in gaseous condensations of the star η Carinae" <i>Astronomy & Astrophysics</i> . Volume 378 (2001) pp.266-278.	(NO MONTH)
<i>OK</i>		Judge, "SHE-2 Latest Solar EUV Measurements"(internet page) www.usc.edu/dept/space_science/seh2data.htm , August 18, 1997	
<i>OK</i>		Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p.3, 118-123.	(NO MONTH)
		Karplus and Porter. <i>Atoms and Molecules: An Introduction for Students of Physical Chemistry</i> , The Benjamin/Cummings Publishing Company, Menlo Park, California, 1970, p. 567.	
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12

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		http://omm.hut.fi/optics4/e/2004/luennot/spectroscopy.pdf	
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<i>SK</i>		"Material Hardness," http://www.calce.umd.edu/general/facilities/hardness_ad.htm <i>(NO DATE)</i>	
		Mayo, et. al. "On the Potential of Direct and MHD Conversion of Power from a Novel Plasma Source to Electricity for Micro-distributed Power Applications", IEEE Transactions on Plasma Science, submitted. <i>CITE IN PAPER # 33</i>	
		NIST, "Atomic Spectroscopy—Spectral Line Shapes, etc.", available at: http://physics.nist.gov/Pubs/At Spec/node20html/	
		NIST's Physical Reference Datasheet, "Energy Levels of Hydrogen and Deuterium." <URL http://physics.nist.gov/PhysRefData/HDEL/index.html >	
<i>SK</i>		Odenthal et al., "The Zeeman Splitting of the 5876 Å Helium Line Studied by Means of a Turnable Dye Laser", <i>Physica</i> , pp. 203-216, 1982 <i>(No Month)</i>	
<i>SK</i>		Park, Robert L. "Perpetual Motion: Still Going Around." <i>Washington Post</i> , January 12, 2000, pg H03.	
		Park, "Patent Nonsense, Court Denies Black Light Power Appeal." <i>What's New September 6</i> 2002, available at www.aps.org.wn/wn02/wn090602.html .	
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SK		Peterson. "Evaluation of Heat Production from Light Water Electrolysis Cell of Hydrocatalysis Power Corporation." Draft, Westinghouse STC, Feb 1994.	
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Sheet

14

of

24

<i>Complete if Known</i>	
Application Number	09/110,717
Filing Date	07/07/1998
First Named Inventor	Mills
Group Art Unit	1745
Examiner Name	Kalafut
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		Schaefer. "Das Ultrarote-Spektrum Des U-Zentrums," <i>Phys. Chem. Solids</i> , 1960, Vol. 12, pp. 233-244, Pergamon Press, Great Britain.		
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(use as many sheets as necessary)

Sheet

15

of

39

<i>Complete if Known</i>	
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Filing Date	07/07/1998
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		"XPS (EASC) –SAM," http://www.noveoninc.com/measurementscience/analyticalservices/xpseaseam.pdf
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Examiner Signature	<i>SJ Kalafut</i>	
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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

(use as many sheets as necessary)

Sheet

16

of

37

<i>Complete if Known</i>	
Application Number.	09/110,717
Filing Date	07/07/1998
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Sheet

17

Of

34

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Filing Date	07/07/1998
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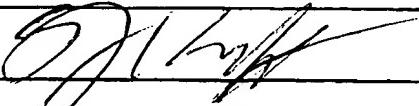
Sheet

18

of

24

<i>Complete if Known</i>	
Application Number	09/110,717
Filing Date	07/07/1998
First Named Inventor	Mills
Group Art Unit	1745
Examiner Name	Kalafut
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Sheet

19

of

34

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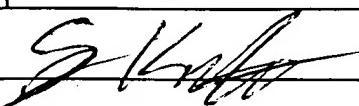
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				Examiner Name	Kalafut
Sheet	20	of	34	Attorney Docket Number	

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Sheet	21	of	34	Attorney Docket Number	

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22

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23

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Examiner Signature	<i>JL/MR</i>		Date Considered 12/11/07

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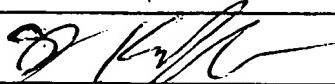
Substitute for form 1449B/PTO				<i>Complete if Known</i>	
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				Filing Date	07/07/1998
				First Named Inventor	Mills
				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	24	of	24	Attorney Docket Number	

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		52. Mills et al., "Bright Hydrogen-Light Source due to a Resonant Energy Transfer with Strontium and Argon Ions," <i>New Journal of Physics</i> , Vol. 4, (2002), pp. 70.1-70.28. (Internet Publication Date: October, 2002)				
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		49. Mills et al., "Comparison of Excessive Balmer Line Broadening of Inductively and Capacitively Coupled RF, Microwave, and Glow-Discharge Hydrogen Plasmas with Certain Catalysts," <i>IEEE Transactions on Plasma Science</i> , Vol. 31, No. 3, (2003), pp. 338-355.				
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Sheet	25	of	37	Attorney Docket Number	

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		41. Mills, et. al. "Synthesis and Characterization of Lithium Chloro Hydride", <i>International Journal of Hydrogen Energy</i> , submitted. (Internet Publication Date: January 7, 2002.)			
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Sheet	26	of	24	Attorney Docket Number	

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		36. Mills et al., "Emission Spectroscopic Identification of Fractional Rydberg States of Atomic Hydrogen Formed by a Catalytic Helium-Hydrogen Plasma Reaction," Vacuum, submitted. (Internet Publication Date: Oct. 9, 2001.)			
		35. Mills et al., "New Power Source from Fractional Rydberg States of Atomic Hydrogen," Current Appl. Phys., submitted. (Internet Publication Date: Oct. 9, 2001.)			
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		20. Mills et al., "Spectral Emission of Fractional Quantum Energy Levels of Atomic Hydrogen from a Helium-Hydrogen Plasma and the Implications for Dark Matter," <i>Int. J. Hydrogen Energy</i> , (2002), Vol. 27, No. 3, pp. 301–322. (Internet Publication Date: Aug. 1, 2001.)			
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Substitute for form 1449B/PTO

INFORMATION DISCLOSURE STATEMENT BY APPLICANT

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Sheet

28

Of

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Filing Date	07/07/1998
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Examiner Name	Kalafut
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	20.	Mills et al., "Argon-Hydrogen-Strontium Discharge Light Source," IEEE Transactions on Plasma Science, Vol. 30, No. 2, (2002), pp. 639–653. (Internet Publication Date: Dec. 7, 2000.)	
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				Group Art Unit	1745
				Examiner Name	Kalafut
Sheet	29	of	<i>3A</i>	Attorney Docket Number	

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		12. Mills et al., "Formation of a Hydrogen Plasma from an Incandescently Heated Hydrogen-Catalyst Gas Mixture with an Anomalous Afterglow Duration," Int. J. Hydrogen Energy, Vol. 26, No. 7, July, (2001), pp. 749–762. (Internet Publication Date: June 28, 2000.)				
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Sheet	30	of	<i>37</i>	Attorney Docket Number	

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		4. Mills et al., "Fractional Quantum Energy Levels of Hydrogen," <i>Fusion Technology</i> , Vol. 28, No. 4, November, (1995), pp. 1697–1719. (Internet Publication Date: Nov. 1, 2001.)			
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		Mills Technologies. "1KW Heat Exchanger System." <i>Thermacore, Inc.</i> , April 17, 1992, pp. 1–6			
<i>OK</i>		Mills, "Classical Quantum Mechanics." <i>Physica Scripta</i> , submitted. <i>(No Date)</i>			
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PTO/SB/08B (Modified)

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Sheet	31.	of	37	Attorney Docket Number	

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SK		Mills, "Author's response 'A possible trick of Hydride atom,'" <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, p. 1225. (No Month)			
SK		Mills, "BLACKLIGHT POWER TECHNOLOGY: A New Clean Energy Source with the Potential for Direct Conversion to Electricity," <i>International Conference on Global Warming and Energy Policy</i> , Ft. Lauderdale, Florida, November 26-28, 2000. Internet Publication 1/19/01			
		Mills, "Hydro-catalysis Power Technology," Statement of Dr. Randell L. Mills, May, 1993.			
SK		Mills, "The Grand Unified Theory of Classical Quantum Mechanics," pp. 1-9 (No Date)			
		Mills, "Unification of Spacetime, the Forces, Matter, Energy, Hydro-catalysis Power Corporation," 1992, pp. 53-84.			
		Mills, "Author's response to 'Hydride atom: novel chemistry or invalid physics'," <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1233.			
SK		Mills, "Author's response to 'Hydrido theory- a proposed amendment,'" <i>International Journal of Hydrogen Energy</i> , Vol 26, 2001, pp. 1229-1231. (No Month)			
SK		Mills, "Power Spectrum of the Cosmic Microwave Background" <i>BlackLight Power, Inc.</i> 2001. (No Month)			
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Examiner	<i>SK Kalafut</i>			Date	12/11/01

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Sheet	132	of	34
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SK		ABELÈS, Ed., Chapter 9, "Structure of Trapped Electron and Trapped Hole Centers in Alkali Halides 'Color Centers'", <i>Optical Properties of Solids</i> , 1972, pp. 718-754, North-Holland Publishing Company, Amsterdam	
SK		DELBECQ et al., "Pragmatic Resonance Investigation of Irradiated KCl Crystals Containing U-Centers", <i>Phys. Rev.</i> , Nov. 1, 1956, 104, pp. 599-604	
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SK		RAUCH et al., "Some F-Band Optical Oscillator Strengths in Additively Colored Alkali Halides", <i>Physical Review</i> , Feb. 1, 1957, 105, pp. 914-920	
SK		FISCHER et al., "Sh ⁻ , S ⁻ Und S ⁻ Zentren In KC1-Kristallen", <i>Physics Letters</i> , Oct. 27, 1964, 13, pp. 113-114	
SK		FRIED et al., "Solution for the Two-Electron Correlation Function in a Plasma", <i>The Physical Review</i> , Apr. 1, 1961, 122, pp. 1-8	
SK		ALGER et al., "F Centers in Pure and Hydride-Containing Alkali Halide Crystals", <i>Physical Review</i> , Jan. 15, 1955, 97, pp. 277-287	
SK		SCHEARER et al., "Microwave Saturation of Paraelectric-Resonance Transitions of OH ⁻ Ions in KCl", <i>Solid State Communications</i> , 1966, 4, pp. 639-642	
SK		KERKHOFF et al., "Elektronenspin-Resonanz und Photochemie des U ₂ -Zentrums in Alkalihalogenid-Kristallen", <i>Zeitschrift für Physik</i> , 1963, 173, pp. 184-202	
SKC		KERKHOFF, "Zum photochemischen Verhalten sauerstoffhaltiger Komplexe in Alkalihalogenidkristallen", <i>Zeitschrift für Physik</i> , 1960 158, pp. 595-606	

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Sheet	2 33	of	34
		Attorney Docket Number	Check 31

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SK		FISCHER, "Die optische Absorption der U-Zentren in Alkalihalogeniden des BaCl-Typs", <i>Zeitschrift für Physik</i> , 1967, 204, pp. 351-374	SEARCHED
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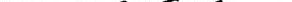
Examiner Signature		Date Considered	12/11/67
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Substitute for form 1449B/PTO		<i>Complete if Known</i>	
INFORMATION DISCLOSURE STATEMENT BY APPLICANT		Application Number	09/110,717
(use as many sheets as necessary)		Filing Date	7/7/98
		First Named Inventor	Mills
		Group Art Unit	1745
		Examiner Name	Kalafut
Sheet	34	of	34
Attorney Docket Number			

OTHER PRIOR ART — NON PATENT LITERATURE DOCUMENTS

Examiner Signature		Date Considered	12/11/07
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